

# **TWENTY-FIFTH ANNUAL JOINT UTILITY TRAINING WORKSHOP**

**JANUARY 20, 21, 22, 1987**

**HOWARD JOHNSON  
MOTOR LODGE  
605-336-9000**

**RAMKOTA INN  
605-336-0650**

**SIOUX FALLS, S.DAK.**



**SPONSORED BY  
JOINT UTILITY TRAINING COMMITTEE  
(JUTS)  
SOUTH DAKOTA ELECTRIC COUNCIL**

## PROGRAM

### SESSIONS PROGRAM INFORMATION

Each session is designed as a 12-hour minicourse. Registration will be for one session only per individual. You will remain in that session for the entire length of the course. The exception being the GENERAL SESSION that everyone will attend on Wednesday afternoon. Some class sessions will be split to reduce class size and use laboratory facilities. Certificates will be sent to your respective company if attendance has been continuous.

#### REGISTRATION

Pre-Paid Registration

\$40.00 Per Person

Tuesday, January 20, 1987

Ramkota Inn

10:00 a.m. to 12:00 noon

#### LUNCHEON

Wednesday, January 21, 1987

Howard Johnson's

12:00 p.m. to 1:00 p.m.

#### GENERAL SESSION

Wednesday, January 21, 1987

Ramkota Inn-Washington Room

1:00 p.m. to 5:00 p.m.

MINI COURSES will be:

Tuesday	1:00 p.m. to 5:00 p.m.
Wednesday	8:00 a.m. to 12:00 p.m.
Thursday	8:00 a.m. to 12:00 p.m.

GENERAL SESSION will be:

Wednesday	1:00 p.m. to 5:00 p.m.
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Papa Bear Whitmore, Louisville, CO., one of the nation's foremost professors in survival education, will be the instructor. Psychology of survival, signaling, hypothermia, frostbite, snow blindness and survival kit will be the major topics discussed.

**ATTENDANCE IS REQUIRED**

SESSION I

Ramkota Inn

Viking Room

LEADERSHIP SEMINAR

Registration Fee \$40.00

Tuesday, 1:00 p.m.

Title: Basic Supervisory Skills

Description: Topics will include the following:

Your Organization and You  
The Adult Learning Process  
The Human Touch at Work  
The Critical Shift  
Styles of Supervision  
The Supervisor as Motivator  
The Supervisor as Counselor  
The Psychological Contract  
Complaints and Grievances

Instructor: Kurt Peters  
Bismarck, ND

GENERAL SESSION: Papa Bear Whitmore - Winter Survival  
Wednesday, 1:00 to 5:00 p.m.  
Washington Room-Ramkota Inn

Coordinator: Willy Haufschild

Course limited to a maximum of 20 students.

SESSION II

Rankota Inn

Roosevelt Room

TRENCHER - AERIAL - DIGGER DERRICK - CHAIN SAWS

Registration Fee \$40.00

Description: This course is designed for operators and maintenance personnel of bucket trucks, digger derricks, trenchers, chain saws and augering equipment. This course will cover safety, proper operation, hydraulics, testing, inspection and maintenance of equipment.

Tuesday

1:00 - 3:00 P.M.

TITLE: Rigging Safety Ropes

INSTRUCTOR: Scott Johnson, Joe Erickson  
Dakota Riggers  
And Tool Supply Inc.  
Sioux Falls, SD

3:00 - 4:00 P.M.

TITLE: Hydraulic Tools

INSTRUCTOR: Randy Ray, Stanley Hydraulic Tools  
Milwaukee, OR 97257

4:00 - 5:00 P.M.

TITLE: Hydraulic Boring Equipment Safety

INSTRUCTOR: Dave Jansa  
Ditch Witch of S.D.  
Sioux Falls, SD

**SESSION II (Cont.)**

**Rankota Inn**

**Roosevelt Room**

**Wednesday, 8:00-12:00 noon**

**Title: Aerial Equipment Testing, Safety  
Operation and Maintenance**

**Instructor: Cornelius "Cornie" Sheehan  
Hydraulic Equipment Service, Inc.  
Seward, NE**

**GENERAL SESSION: Papa Bear Whitmore - Winter Survival  
Wednesday, 1:00 to 5:00 p.m.  
Washington Room-Rankota Inn**

**Thursday, 8:00 - 10:00 A.M.**

**Title: Chain Saw Maintenance  
Operation and Safety**

**Instructor: Maurice Richard  
Maury's Repair  
Sioux Falls, SD**

**10:00 - 12:00 noon**

**Title: Trencher Operation Safety and Maintenance**

**Instructor: Kevin Klein, Vermeer Equipment  
of Nebraska, Inc., Lincoln, NE**

**Keith Van Hemert, Vermeer Mfg.,  
Pella, IA**

**Marty Meyers, Vermeer Equipment of Nebraska,  
Lincoln, NE**

**Coordinators: Vic Graham, Dean Greer**

SESSION III  
Howard Johnson Motor Lodge  
Dakota A

TRANSFORMER CONNECTIONS

Registration Fee \$40.00

PART I

Tuesday, 1:00 - 5:00 P.M.

Title: Electrical Connections

Description: This is a 1 1/2 hour segment of slides and lecture designed to give line personnel a nontechnical, basic review of single and three phase power, and delta and wye connections. 2 1/2 hours will be devoted to hands-on nonenergized connections with miniature models.

PART II

Wednesday, 8:00 - 12:00 noon

Title: Three Phase Power and Sequence

Description: A one-hour lecture and 3 hours of hands-on exercises with energized miniature power banks and substations.

GENERAL SESSION: Papa Bear Whitmore - Winter Survival  
Wednesday, 1:00 to 5:00 p.m.  
Washington Room-Ramkota Inn

PART III

Thursday, 8:00 - 12:00 noon

Title: "Trouble Shooting"

Description: Live hands-on exercises solving typical power bank and substation service problems. The instructor and supervisors will answer your questions and assist you in finding a solution to classroom exercises in trouble shooting.

Instructors: Gordon Solee, Gene Fritz and Roger Muth  
Ottertail Power Company

Co-ordinators: Al Kubousek, Andy Jensen and Bruce Brunick

Course limited to a maximum of 60 students.

SESSION IV  
Ramkota Inn  
Jefferson Room

VOLTAGE REGULATOR OPERATION AND MAINTENANCE  
SINGLE PHASE OCR AND 3-PHASE ELECTRONIC RECLOSER  
OPERATION AND MAINTENANCE  
Registration Fee \$40.00

Part I  
Tuesday, 1:00 - 5:00 P.M.  
and Wednesday, 8:00 - 12:00 noon

Title: Regulator Maintenance

Description: The minicourse will include the installation, testing, maintenance and the operation of regulators. Equipment will be available for viewing its operation. The hands-on portion will deal with the panel controls and their problems.

Instructors: Paul A. Douglas, Siemens-Allis, Braintree, MA  
Ron A. Hoefft, East River Electric, Madison, SD

GENERAL SESSION: Papa Bear Whitmore-Winter Survival  
Wednesday, 1:00 to 5:00 p.m.  
Washington Room-Ramkota Inn

Part II  
Thursday, 8:00 - 12:00 noon

Title: Oil Circuit Reclosers

Description: A four-hour program on the McGraw Edison Single Phase Recloser and Electronic Three-Phase Controls.  
1) Reclosers intended for use in the distribution system.  
2) Fitting reclosers into the system and their advantages in system operations. 3) How reclosers work and perform their functions.

Instructors: Virgil F. Haugen, McGraw Edison, Minneapolis, MN  
Chuck L. Snail, McGraw Edison, Chicago, IL

Coordinators: Roger Nagel and Slim Rutschke

SESSION V

Howard Johnson's

Dakota B Room

ELECTRICAL METERING

Registration Fee - \$40.00

Tuesday, 1:00 P.M. to 5:00 P.M.

Description: A course for meter men and utility employees who occasionally are called on to perform metering duties. Topics covered will be basic metering principles, single-phase and three-phase meters, demands, and electronic-damaged register meters.

Instructor: Steve C. Bode, Plainsco, Aberdeen, SD

Wednesday, 8:00 A.M. to 12:00 P.M.

Thursday, 8:00 A.M. to 12:00 P.M.

Description: Metering situations that are encountered in the field is the subject topic of this course. Basic checks for correct metering of single and three-phase installation, metering safely and energy diversion will be covered. The instructors for this course have many years of field experience and knowledge which will benefit other utility employees.

Instructors: Ron J. Torp, Northern States Power Co.  
Minneapolis, Minnesota  
Art E. Kolle, Otter Tail Power Co.  
Fergus Falls, Minnesota  
Lewis F. Schaar, Northwestern Public Service  
Huron, South Dakota

GENERAL SESSION: Papa Bear Whitmore-Winter Survival  
Wednesday, 1:00 to 5:00 p.m.  
Washington Room - Ramkota Inn

Coordinators: Jim Mergen  
Merlyn Wookey



**SESSION VI**

**Ramkota Inn**

**Lincoln Room**

**ENGINEERING AND OPERATIONS**

**Registration Fee \$40.00**

This course is designed for operation managers, superintendents, foremen and other key personnel.

**Tuesday, 1:00 P.M. to 5:00 P.M.**

**Title: Metal Oxide Arresters, Current Limiting Fuses and  
3 Phase Data Acquisition System for Voltage and  
Current**

**Instructor: Gene Wright, Combined Technologies  
Brookfield, WI.**

**Wednesday, 8:00 A.M. to 12:00 noon**

**Title: URD Cable  
Whether to hypot or not, to thump or not, and  
High Voltage Radar**

**Instructor: Joe M. Guerriero, Associated Research, Inc.  
Lake Bluff, IL.**

**GENERAL SESSION: Papa Bear Whitmore-Winter Survival  
Wednesday, 1:00 to 5:00 p.m.  
Washington Room - Ramkota Inn**

**Thursday, 8:00 A.M. to 12:00 noon**

**Title: Discussion on distribution system design: This  
session covers construction, maintenance and opera-  
tion of overhead and underground systems.**

**Instructor: David H. DeVries, Consulting Engineer for  
DeWild, Grant, Reckert & Associates Company  
Rock Rapids, Iowa**

**Coordinators: Dennis Duffek and Rod Gunn**

## SESSION VII

Howard Johnson's Motor Lodge

Nebraska Room

### LINEMAN SAFETY

Registration fee \$40.00

#### Part I

Tuesday, 1:00 - 5:00 P.M.

Title: URD Problem Solving - Cable tracing to Fault  
Location

Description: A four-hour course on cable tracing and fault locating.

Instructor: Jim B. Fox, FRESCO, Hopkins, MN and Merrill K. Haddon, Aqua-Tronic Inc., Milwaukee, OR

#### Part II

Wednesday, 8:00 - 10:00 A.M.

Title: Chain Saw Safety and Repair

Description: A two-hour course on chain saw safety and repair.

Instructor: Bob Oerlline, Mon-Dak Stihl Inc., Rapid City, SD

#### Part III

Wednesday, 10:00-12:00 noon

Title: Hydraulic Maintenance

Description: A two-hour course on hydraulic maintenance of aerial and digger units.

Instructor: Ron L. Koosman, Midwest Utility Equipment  
Watertown, SD

GENERAL SESSION: Papa Bear Whitmore-Winter Survival  
Wednesday, 1:00 to 5:00 p.m.  
Washington Room - Ramkota Inn

SESSION VII (Cont.)

Part IV

Thursday, 8:00 - 10:00 A.M.

Title: Personal Protective Grounds

Description: A two-hour course on single point grounding.

Instructors: Kevin G. Deady, Salisbury, Skokie, IL., and  
Robert W. Roth, FRESCO, Minneapolis, MN

Part V

Thursday, 10:00 - 12:00 noon

Title: Burn Management

Description: A two-hour course on electrical burn  
management.

Instructor: Marla R. Devaney, McKennan Hospital  
Sioux Falls, SD

Coordinators: Randy Dickerson and Nancy Forkel

## SESSION VIII

Ramkota Inn

Crystal Room

### CUSTOMER RELATIONS

Registration fee: \$40.00

Tuesday, 1:00 p.m.

**Title:** Theory - Where Are Other People Coming From?

1. The Three Ego States: Parent, Adult & Child
2. The Three Reaction States: Head, Heart, Gut
3. Enneagram - The Nine Personalities

**Title:** Practical Problems

1. Dealing with Criticism
2. Analyzing the Forces on the Customer
3. Dealing with Electric Utility Problem Customers
4. Taking the Control Away From the Customer
5. Customer Counseling and Training Strategies
6. Managing Your Emotions

**Instructor:** Marylyn Haufschild, MDU, Mobridge, SD

**GENERAL SESSION:** Papa Bear Whitmore-Winter Survival  
Wednesday, 1:00 to 5:00 p.m.  
Washington Room - Ramkota Inn

**Coordinator:** Willy Haufschild

Course limited to a maximum of 20 people

## JOINT UTILITY TRAINING COMMITTEE

### Chairman:

Merlyn Wookey, Northwestern Public Service Co., Huron, SD

### Vice Chairman:

Rodney Gunn, West River Electric, Newell, SD

### Secretary:

Willy Haufschild, Montana-Dakota Utilities Co.,  
Mobridge, SD

### Treasurer:

Roger Nagel, South Dakota Rural Electric Association, Pierre, SD

### South Dakota Electrical Council:

Pete Swanson, Watertown Municipal Utilities, Watertown, SD

## JUTS MEMBERS

### South Dakota Rural Electric:

Randy Dickerson, South Dakota Rural Electric Association  
Pierre, SD

Slim Rutschke, South Dakota Rural Electric Association  
Pierre, SD

Duane Vlasman, East River Electric Power Cooperative  
Madison, SD

Dennis Duffek, Bon Homme-Yankton Electric, Tabor, SD

### Investor-Owned Electric Utilities:

Vic Graham, Northern States Power Co., Sioux Falls, SD

Nancy Forkel, Black Hills Power and Light, Rapid City, SD

Al Kubousek, Otter Tail Power Co., Milbank, SD

### Municipal Associations:

Jim Mergen, Sioux Falls Light Department, Sioux Falls, SD

Virgil Schoeberl, Madison Municipal Utilities, Madison, SD

Bruce Brunick, City of Vermillion, Vermillion, SD

Andy Jensen, City of Brookings, Brookings, SD

Richard Bailey, City of Burke, Burke, SD

Kurt Goehring, City of Pierre, Pierre, SD

The JUTS Committee would like to thank the following instructors and their companies for their participation in the Twelfth Annual Joint Utility Training Workshop. Without their involvement, this program would not be possible.

All instructors are cordially invited to breakfast at 7 a.m. on Wednesday, January 21 and Thursday, January 22 in the back Dorchester Room at the Ramkota Inn--compliments of the JUTS Committee.

Steve C. Bode	Plainsco Aberdeen, SD
Kevin G. Deady	Salisbury Skokie, IL
Marla R. Devaney	McKenna Hospital Sioux Falls, SD
David H. DeVries	DeWild, Grant, Reckert & Assoc. Rock Rapids, IA
Paul A. Douglas	Siemens-Allis Braintree, MA
Joe Erickson	Dakota Riggers & Tool Supply Sioux Falls, SD
Jim Fox	FRESCO Hopkins, MN
Gene Fritz	Otter Tail Power Company Fergus Falls, MN
Joe M. Guerriero	Associated Research, Inc. Lake Bluff, IL
Marylyn Haufschild	Montana Dakota Utilities Moberg, SD
Virgil F. Haugen	McGraw Edison Minneapolis, MN
Merrill K. Haddon	Aqua-Tronic, Inc. Milwaukee, OR.

Ron Hoeft	East River Electric Madison, SD
Dave Jansa	Ditch Witch of SD Sioux Falls, SD
Scott Johnson	Dakota Riggers & Tool Supply Sioux Falls, SD
Kevin Klein	Vermeer Equipment of Nebraska, Lincoln, NE
Art E. Kolle	Otter Tail Power Company Fergus Falls, MN
Ron L. Koosman	Midwest Utility Equipment Watertown, SD
Marty Meyers	Vermeer Equipment of Nebraska Lincoln, NE
Roger Muth	Otter Tail Power Company Fergus Falls, MN
Bob Oerlline	Mon-Dak Stihl, Inc. Rapid City, SD
Kurt Peters	Montana Dakota Utilities, Inc. Bismarck, ND
Randy Ray	Stanley Hydraulic Tools Milwaukee, OR
Maurice Richard	Maury's Repair Sioux Falls, SD
Robert W. Roth	FRESCO Minneapolis, MN
Lewis F. Schaar	Northwestern Public Service Co. Huron, SD

Cornelius "Cornie" Sheehan	Hydraulic Equipment Service Seward, NE
Chuck L. Snail	McGraw Edison Chicago, IL
Gordon Solee	Otter Tail Power Company Fergus Falls, MN
Ron J. Torp	Northern States Power Company Minneapolis, MN
Keith Van Hemert	Vermeer Mfg. Pella, IA
Papa Bear Whitmore	Louisville, CO
Gene Wright	Combined Technologies Brookfield, WI